

Environment

Q1. Answer the following questions.

(i) What is an ecosystem?

Answer: An ecosystem formed by the interaction of all living organisms with each other and with the physical and chemical factors of the environment in which they live, all linked by the transfer of energy and material is called an ecosystem.

(ii) What do you mean by natural environment?

Answer: By natural environment we mean the surroundings created by nature. The objects (surroundings) created by nature include mountains, plateaus, plains, valleys, forests, wildlife, land, air and water.

(iii) Which are the major components of the environment?

Answer: Components of the environment include:

1. Natural Components (Air, Water, Land & Living things)
2. Human Made Components (components created by human beings)
3. Human Components (living beings)

(iv) Give four examples of human-made environment.

Answer: Four examples of the human-made environment are,

- Buildings
- Parks
- Industries
- Bridges

(v) What is lithosphere?

Answer: The solid crust or the hard top layer of the earth is called the lithosphere. It is made up of rocks and minerals and covered by a thin layer of soil. It is an irregular surface with various landforms like mountains, plateaus, plains, etc.

(vi) Which are the two major components of the biotic environment?

Answer: Plants and animals are the two major components of the biotic environment.

(vii) What is biosphere?

Answer: Biosphere or the living world is the narrow zone of earth where land, water and air interact with each other to support life. The plant and animal kingdom together form the biosphere.

Q2. Tick the correct Answer.

(i) Which is not a natural ecosystem?

- (a) Desert
- (b) Aquarium
- (c) Forest

Answer: b

(ii) Which is not a component of human environment?

- (a) Land
- (b) Religion
- (c) Community

Answer: a

(iii) Which is a human made environment?

- (a) Mountain
- (b) Sea
- (c) Road

Answer: c

(iv) Which is a threat to environment?

- (a) Growing plant
- (b) Growing population
- (c) Growing crops

Answer: b

Q3. Match the following:

(i) Biosphere	(a) blanket of air which surrounds the earth
(ii) Atmosphere	(b) domain of water
(iii) Hydrosphere	(c) gravitational force of the earth
(iv) Environment	(d) our surroundings
	(e) narrow zone where land water and air interact
	(f) relation between the organisms and their surroundings

Answer:

(i) Biosphere	(e) narrow zone where land water and air interact
(ii) Atmosphere	(a) blanket of air which surrounds the earth
(iii) Hydrosphere	(b) domain of water
(iv) Environment	(d) our surroundings

Q4. Give reasons.

(i) Man modifies his environment

Answer: Man modifies his environment to meet his basic needs as it is the basic life support system. He builds homes and industries to work in which modifies the environment and also its mineral wealth. Humans have used fossils for their own development, disturbing ecosystems and animal habitats.

(ii) Plants and animals depend on each other

Answer: Plants and animals are interdependent on each other because plants are the producers and animals are the consumers. Plants release oxygen in the atmosphere which is inhaled by human beings and humans exhale carbon dioxide which helps plants in producing their own food.